WHAT IS CLAIMED IS:

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1. A display device comprising:

a substrate;

a plurality of first signal lines formed over said substrate;

a plurality of second signal lines extending across said first signal lines over said substrate

a plurality of switching elements formed at each intersection of said first and second signal lines, each of said switching elements comprising at least one thin film transistor;

a smoothing film comprising an organic resin formed over said switching elements;

a plurality of pixel electrodes formed over said smoothing film and electrically connected to said switching elements through contact holes formed in said smoothing film; and

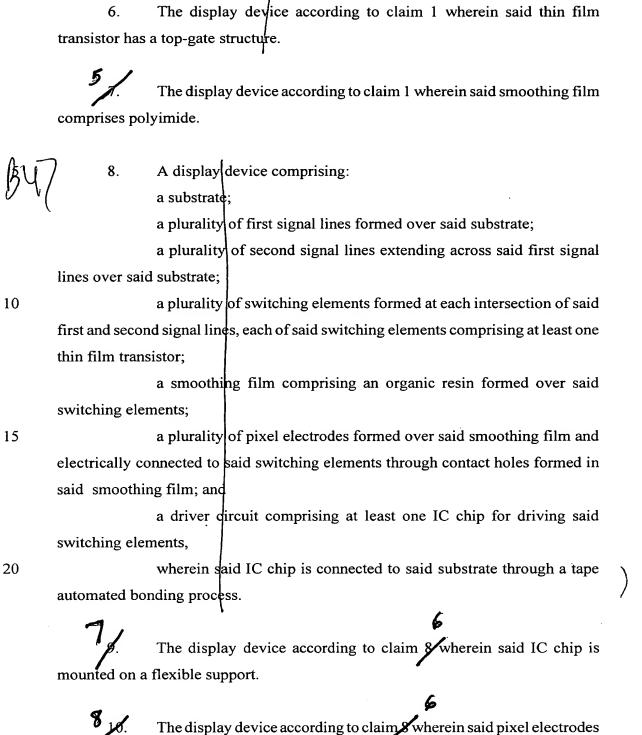
a driver circuit comprising at least one IC chip for driving said switching elements.

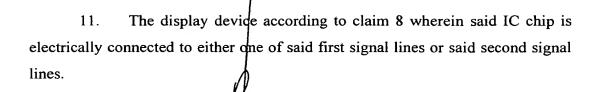
- 2. The display device according to claim 1 wherein said pixel electrodes comprise indium tin oxide.
- 3. The display device according to claim 1 wherein said IC chip is electrically connected to either one of said first signal lines or said second signal lines.
 - 4. The display device according to claim 1 wherein said driver circuit further comprises thin film transistors formed over said substrate.

5. The display device according to claim 1 wherein said thin film transistor has a channel region comprising semi-amorphous silicon.

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comprise indium tin oxide.





12. The display device according to claim 8 wherein said driver circuit further comprises thin film transistors formed over said substrate.

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13. The display device according to claim 8 wherein said thin film transistor has a channel region comprising semi-amorphous silicon.

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14. The display device according to claim 8 wherein said thin film transistor has a top-gate structure.

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A display device comprising:

a substrate;

a plurality of first signal lines formed over said substrate;

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a plurality of second signal lines extending across said first signal lines over said substrate;

a plurality of switching elements formed at each intersection of said first and second signal lines, each of said switching elements comprising at least one thin film transistor;

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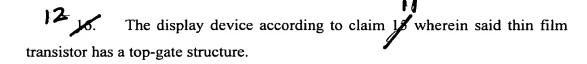
a smoothing film comprising an organic resin formed over said switching elements;

a plurality of pixel electrodes formed over said smoothing film and electrically connected to said switching elements through contact holes formed in said smoothing film; and

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a driver circuit comprising at least one IC chip for driving said switching elements,

wherein said IC chip is formed on a flexible support and said flexible support is connected to said substrate.



The display device according to claim is wherein said pixel electrodes comprise indium tin oxide.

The display device according to claim 16 wherein said IC chip is electrically connected to either one of said first signal lines or said second signal lines.

The display device according to claim 10 wherein said driver circuit further comprises thin film transistors formed over said substrate.

The display device according to claim 1 wherein said thin film transistor has a channel region comprising semi-amorphous silicon.

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21. A display device comprising:

a substrate;

a plurality of first signal lines formed over said substrate;

a plurality of second signal lines extending across said first signal lines over said substrate;

a plurality of switching elements formed at each intersection of said first and second signal lines, each of said switching elements comprising at least one thin film transistor;

a smoothing film comprising an organic resin formed over said switching elements;

a plurality of pixel electrodes formed over said smoothing film and electrically connected to said switching elements through contact holes formed in said smoothing film; and





a driver circuit comprising at least one IC chip for driving said switching elements,

wherein said IC chip is mounted over said substrate.

- The display device/according to claim 21 wherein said thin film 22. transistor has a top-gate structure.
 - The display device according to claim 21 wherein said pixel electrodes comprise indium tin oxide.
- electrically con...

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 25. The display device according further comprises thin film transistors formed over sal..

 26. The display device according to claim 21 wherein stransistor has a channel region comprising semi-amorphous silicon. The display device according to claim 21 wherein said IC chip is electrically connected to either one of said first signal lines or said second signal
 - The display device according to claim 21 wherein said driver circuit
 - The display device according to claim 21 wherein said thin film

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